

CLAIMS IN ACCORDANCE WITH THE SELECTED RESTRICTION:

What is claimed is:

1 (original). A system for wiping a windshield of a vehicle in a rectangular field, comprising:

- a) a wiper arm assembly;
- b) a wiper blade assembly operationally attached to said wiper arm assembly; and
- c) means for rotating and translating said wiper arm assembly to cause said wiper blade assembly to track in a linear path across said windshield.

11 (original). A system in accordance with Claim 1 wherein said means for rotating and translating comprises at least one fixed gear and at least one rotatable gear.

12 (original). A system in accordance with Claim 1 wherein said means for rotating and translating comprises:

- a) a mounting plate;
- b) a gear train including a first gear disposable adjacent said windshield, a second gear meshed with said first gear, and a third gear meshed with said second gear, said first, second, and third gears having first, second, and third axes, respectively, included in a straight line including a virtual pivot point, said first gear being non-rotationally attached to said mounting plate;
- c) a first non-linear track formed in said mounting plate;

d) a motor having a stator and a rotor, said stator being slidable in said first track, and said rotor being supportive of said second gear; and

e) a wiper arm fixedly attached at an inner end thereof to said third gear,

wherein rotation of said second gear by said motor causes an outer end of said wiper arm to be drawn in a linear path across said windshield.

13 (original). A system in accordance with Claim 12 further comprising a second track formed in said mounting plate for guiding said third gear in motion about said virtual pivot point.

14 (original). A system in accordance with Claim 13 further comprising:

a) an attitude arm having inner and outer ends;

b) a first tab extending between said inner end of said wiper arm and said inner end of said attitude arm; and

c) a second tab extending between said outer end of said wiper arm and an outer end of said attitude arm, defining a parallelogram arrangement thereamong, said wiper blade assembly being fixedly attached to said second tab.

15 (original). A system in accordance with Claim 12 wherein the angle subtended by said first gear is one-half the angle subtended by said third gear.

16 (original). A system in accordance with Claim 12 wherein the radius of said third gear is one-half the radius of said first gear.

17 (original). A system in accordance with Claim 12 wherein said system has a nominal sweep angle between sweep extremes of about 120 degrees.

18 (original). A system in accordance with Claim 13 wherein said first and second tracks are circular and concentric upon said virtual pivot point.